

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1342064 A1 20030910 (DE)

Application
EP 01999434 A 20011130

Priority
• DE 0104506 W 20011130
• DE 10060435 A 20001205

Abstract (en)
[origin: WO0245860A1] A fuel injection valve (1), especially for direct injection of fuel into a combustion chamber of an internal combustion engine, comprises an actuator (10) which is functionally connected to a valve needle (3). Said valve needle (3) has a valve closing body (4) at the end on the injection side, said valve closing body interacting with a valve seat surface (6) which is configured on a valve seat body (5) to form a sealed seat. A swirl plate (36), in which swirl channels (38) are configured, is also provided. Said swirl plate (36) has extensions (39) which interact with a cam plate (37) in such a way that a tangential component of the swirl that is produced by the swirl plate (36) can be modified.

IPC 1-7
G01M 1/00

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
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